



## Boron Carbide Nozzle

### Product Features:

The hardness of boron carbide is only secondary to diamond and CBN. The density of the boron carbide products produced by us is close to its academic density 2.52g/cm<sup>3</sup>. Its advantages are: High hardness, high wear-resistance ability, anti-corrosion, lower cost per use, reducing down time.



### Application Fields:

It is mainly used for sandblasting of metal and non-metallic materials. When using high hardness abrasive grain such as silicon carbide and corundum sandblasting, boron carbide nozzle is ideal.

In addition, boron carbide has low density, high hardness, high melting point and large neutron-absorbing cross section. B<sub>4</sub>C ceramic is also used to mechanical seal materials, nuclear project ceramic product, neutron absorption material, bullet-proof vest, plane and the armor plate of tank and other domains.

Service Life (h, by time)			
Nozzle material	Steel grit/shot	Silica sand	Brown fused alumina
Alumina	20-40	10-30	1-4
Tungsten carbide	500-800	300-400	20-40
Silicon carbide	600-1000	400-600	50-100
Boron carbide	2000-2500	1000-1500	500-1000



## Sand Blasting Gun

	Part No.	Size, mm	Material
	SBG200101	Φ4 × Φ9 × Φ3.2	Aluminum, Galvanized Iron, Stainless Steel 304, Polyurethane, Boron Carbide.
	SBG200102	Φ4 × Φ9 × Φ4.8	
	SBG200103	Φ4 × Φ9 × Φ6.4	
	SBG200104	Φ4 × Φ9 × Φ7.9	
	SBG200105	Φ4 × Φ9 × Φ9.5	
	SBG200106	Φ4 × Φ9 × Φ12	
	BN200101	Φ3.2 × Φ19 × 51	Boron carbide
	BN200102	Φ4.8 × Φ19 × 51	
	BN200103	Φ6.4 × Φ19 × 51	
	BN200104	Φ7.9 × Φ19 × 51	
	BN200105	Φ9.5 × Φ19 × 51	
	BN200106	Φ12 × Φ19 × 51	
	SBG2001	Φ4 × Φ9	Aluminum, Galvanized Iron.
	JZT2001	Φ14 × Φ30 × Φ55.5	Polyurethane
	GT2001	23.5 × 34.7 × 25	Stainless Steel 304
	QZ2001	Φ4 × Φ10.5	Stainless Steel 304
	SGT2001	Φ9 × Φ13.5	Galvanized Iron

Note: Special specification can be customized according to customer's requirements.



## Stick up Nozzle



Part No.	Hole, mm	Length, mm	I. D (blast hose)	Material
BN140401	6.4	110	1" (25.4mm)	Material: Boron Carbide. Jacket: Aluminum.
BN140402	7.9	110		
BN140403	9.5	110		
BN138401	7.9	120	1-1/4" (31.75mm)	Material: Boron Carbide. Jacket: Aluminum.
BN138402	9.5	120		
BN138403	11.1	120		
BN138404	12.7	120		

Note: Special specification can be customized according to customer's requirements.



## Venturi Nozzle



Part No.	Hole, mm	Length, mm	Thread	Material
BN190101	6.5	135	UNC2"-4-1/2	Material: Boron Carbide. Jacket: Aluminum / Polyurethane Protector.
BN190102	8.0	150		
BN190103	9.5	165		
BN190104	11.0	190		
BN190105	12.5	215		
BN190201	5.0	130	UNC2"-4-1/2	Material: Boron Carbide. Jacket: Aluminum/ Polyurethane Protector.
BN190202	6.5	135		
BN190203	8.0	140		
BN190204	9.5	165		

Note: Special specification can be customized according to customer's requirements.

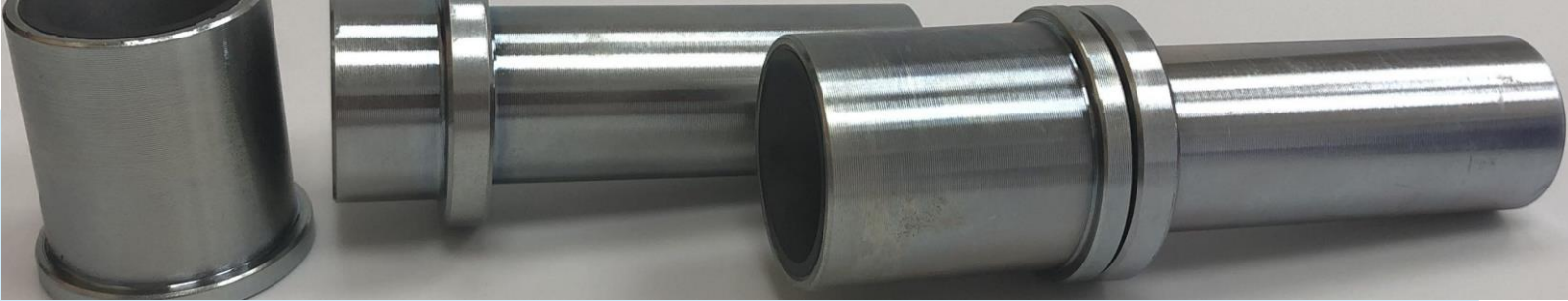


## Double Venturi Nozzle





Part No.	Hole, mm	Length, mm	Thread	Material
BN23401	4.8	146	G1 1/4"	Material: Boron Carbide. Jacket: Steel.
BN23402	6.4	146		
BN23403	7.9	166		
BN23404	9.5	166		
BN23405	11.1	191		
BN23406	12	191		
BN23407	14	191		

Note: Special specification can be customized according to customer's requirements.



## Lead in / out Nozzle



	Part No.	Hole, mm	Length, mm	Material
	BN200201	8.0	39.97	Material: Boron Carbide. Jacket: Galvanized Iron.
	BN200202	10.0	39.97	
	BN200301	8.0	86.2	Material: Boron Carbide. Jacket: Galvanized Iron.
	BN200302	10.0	86.2	

Note: Special specification can be customized according to customer's requirements.





## Banana Nozzle



Part No.	Hole, mm	Length, mm	Thread	Bend Angle	Material
BN121501	6	78.6	G3/4"-14	18.5°	Material: Boron Carbide. Jacket: Galvanized Iron.
BN121502	8	78.6			
BN121503	10	78.6			
BN121504	12	78.6			
BN150601	6	98	G3/4"-14	29.64°	Material: Boron Carbide. Jacket: Galvanized Iron.
BN150602	8	98			
BN150603	10	98			
BN150604	12	98			
BN26001	6	117	G3/4"-14	40°	Material: Boron Carbide. Jacket: Galvanized Iron.
BN26002	8	117			
BN26003	10	117			
BN26004	12	117			

Note: Special specification can be customized according to customer's requirements.